

CLAIMS

1. A solid electrolyte represented by a general formula:



where M is at least one element selected from the group consisting of Si, B, Ge, Al, C, Ga and S, and x, y and z respectively satisfy $x = 0.6$ to 5.0 , $y = 1.05$ to 3.985 , and $z = 0.01$ to 0.50 .

2. The solid electrolyte in accordance with claim 1, wherein said formula satisfies $x = 0.6$ to 1.0 , $y = 1.050$ to 1.985 and $z = 0.01$ to 0.50 .

3. The solid electrolyte in accordance with claim 1, wherein said formula satisfies $x = 1.6$ to 2.0 , $y = 2.050$ to 2.985 and $z = 0.01$ to 0.50 .

4. The solid electrolyte in accordance with claim 1, wherein said formula satisfies $x = 1.6$ to 2.0 , $y = 3.050$ to 3.985 and $z = 0.01$ to 0.50 .

5. The solid electrolyte in accordance with claim 1, wherein said formula satisfies $x = 2.6$ to 3.0 , $y = 2.050$ to 2.985 and $z = 0.01$ to 0.50 .

6. The solid electrolyte in accordance with claim 1, wherein said formula satisfies $x = 3.6$ to 4.0 , $y = 3.050$ to 3.985 and $z = 0.01$ to 0.50 .

7. The solid electrolyte in accordance with claim 1, wherein said formula satisfies $x = 4.6$ to 5.0 , $y = 3.050$ to

3.985 and $z = 0.01$ to 0.50 .

8. An all solid state battery comprising: a positive electrode; a negative electrode; and the solid electrolyte in accordance with claim 1 disposed between said positive electrode and said negative electrode.